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Class: I MCA B

Subject : Python programming

Assignment: 5

1.Simple To-Do List Management System

```python
tasks = []
def display_menu():
    print("\nOptions:")
    print("1. Add Task")
    print("2. Remove Task")
    print("3. View Tasks")
    print("4. Exit")
def add_task():
    task = input("Enter the task: ").strip()
    if task == "":
        print("Task cannot be empty.")
        return
    if task.lower() in [t.lower() for t in tasks]:
        print("Task already exists.")
        return
    tasks.append(task)
    print(f"Task '{task}' added successfully.")
def remove_task():
    if not tasks:
        print("No tasks to remove.")
        return
    view_tasks()
    try:
```

```python
        task_number = int(input("Enter the task number to remove: "))
        if 1 <= task_number <= len(tasks):
            removed = tasks.pop(task_number - 1)
            print(f"Task '{removed}' removed successfully.")
        else:
            print("Invalid task number. Please try again.")
    except ValueError:
        print("Invalid input. Please enter a valid number.")
def view_tasks():
    if not tasks:
        print("No pending tasks.")
    else:
        print("\nPending Tasks:")
        for idx, task in enumerate(tasks, 1):
            print(f"{idx}. {task}")
def main():
    print("Welcome to the Simple To-Do List Manager!")
    while True:
        display_menu()
        choice = input("Enter your choice (1-4): ").strip()
        if choice == '1':
            add_task()
        elif choice == '2':
            remove_task()
        elif choice == '3':
            view_tasks()
        elif choice == '4':
            print("Goodbye! Have a productive day!")
            break
        else:
```

```
        print("Invalid choice. Please enter a number between 1 and 4.")


if __name__ == "__main__":
    main()
```

Output:

Welcome to the Simple To-Do List Manager!

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Enter your choice (1-4): 1

Enter the task: Finish report

Task 'Finish report' added successfully.

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Enter your choice (1-4): 3

Pending Tasks:

1. Finish report

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Enter your choice (1-4): 2

Enter the task number to remove: 2

Invalid task number. Please try again.

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Enter your choice (1-4): 4

Goodbye! Have a productive day!